UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,138	08/31/2001	Hwan Soo Yoo	TJK/193	3028

26689 7590 11/05/2004	EXAMINER
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ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 11/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/945,138	YOO, HWAN SOO
	Examiner	Art Unit	
	John R Brancolini	2153	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>31 August 2001</u>.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-11</u> is/are pending in the application.
   4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) <u>1-11</u> is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on <u>31 August 2001</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.
   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a)☒ All b)☐ Some * c)☐ None of:
      1.☒ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).
   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail. Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claims 1-11 are pending in the application.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

This application claims the priority of Korean patent application Serial No. 2000-50966 filed on August 31, 2000. The effective filing date of the application is August 30, 2000.

Specification

The title of the invention is not clearly descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: "System and Method for Allowing Selective Information Retrieval and Chat Services Using a Single Data Entry Section".

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description:

Figure 3, Box 'C'. No clear description of this feature was found in the specification.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 5 is rejected as being unclear to the examiner. The phrasing, in particular, "when no the beginning data of the entered data is contained in the first set of data of the URL data" is seen as indefinite for failing to clearly describe the claimed invention. For art purposes, the examiner is interpreting the claim to mean "when the beginning characters of the entered data are not contained in the first set of data", the first set of

data being defined earlier as Internet application protocol data stored in the URL type

information.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Busey

et al. (US Patent 6785708), hereinafter referred to as Busey.

In regards to claim 1, Busey discloses a system for discriminating data entered

on a screen of a Web browser to selectively allow an information retrieval chat service

using a communications network, which comprising:

- Means for storing information associated with a type of URL (Uniform Resource

  Locator) data representing the location of each host (the browser/chat feature is

  complete with a feature that allows users to surf to an individual URL, the

  address of that URL being stored in the browser memory, one chatter has the

  option of submitting a URL to the system, at which time the URL is cached to be

  displayed to both parties, col 5 lines 1-28).

- Means for providing a single data entry section on the web browser screen (Figure 4b shows a chat window, which is seen as a single data entry area [the individual pop-up window is seen as one single data entry area, with several separate components], the area composed of a text box, along with this text box is provided a viewing screen to follow the interaction as well as see supplied URL links)

- Means for determining whether data entered in the single data entry section is a URL or a chatting message based on the structure of the input data (col 5 lines 1-28 details the dissection of an entered string and determining whether the string is a URL)

- Means for executing connection to a web site associated with the URL if the input data entered the signal data entry section is determined to be a URL (a URL is presented as an option for selection, complete with means for executing connection to the web site for all users involved, not just the user supplying the link, col 5 lines 20-34).

- Means for displaying the chatting message on the web browser screen if the input data entered in the single data entry section is determined to be not a URL (col 5 lines 1-20).

In regards to claim 2, Busey discloses means for downloading newly registered URL data from a domain name server which stores therein the newly registered URL data through the network and the Web browser, and updating the storing means with

the downloaded data (the web browser, if not already, is opened and the data from the

entered URL is downloaded from an HTTP server, or as is well known in the art, a DNS

server, col 5lines 29-46).

In regards to claim 3, Busey discloses the update of the storing means by the

updating means is performed during the activation of the Web browser (col 5 lines 20-

34).

In regards to claim 4, Busey discloses the URL type information stored in the

storing means includes a first set of data representing an Internet application protocol

for each of the hosts and a second set of data representing a property of each of the

hosts; and the determining means includes:

- Means for receiving the entered data (the URL is entered into the chat window,

  col 5 lines 1-28).

- Means for deciding whether any one of the first set of data and any one of the

  second set of data are presented in the entered data (the entered data is

  dissected and analyzed, including searching for HTML tags that contain URL

  data, which include both Internet application protocol and host properties, col 5

  lines 10-28).

- Means, in the presence of the any one of the first set of data and the any one of

  the second set, for estimating whether data subsequent to any one of the second

  set of data and/or a lower address of the host is presented; and, if so, judging the

entered data as the character data (as stated above, all entered data is dissected

and analyzed to determine whether URL data or character data is present)

* Wherein the lower address is alphanumeric data representing hierarchical

    location information of the host in sequential order starting from a symbol "/" after

    the second set of data (it is well known in the art that a URL address has lower

    hierarchal information about the host, each subsequent level following an "/")

In regards to claim 5, Busey discloses the deciding means includes means for

regarding the entered data as the character data, when no the beginning data of the

entered data contained in the first set of data of the URL data (if the entered data is

determined to have no html tags, indicating no URL data, the text is merely displayed

for the users, col 4 lines 46-67).

In regards to claim 6, Busey discloses the character data display section is

activated only when the entered data is determined as the character data by the

determining means (once character data is entered, the display is updated, if only data

with an HTML tag containing a link is submitted, then no chat text is displayed, rather

the URL is loaded and displayed in the chat window, col 4 line 46 – col 5 line 28).

In regards to claim 7, Busey discloses method for discriminating data entered on

a screen of a Web browser to selectively allow an information retrieval or chat service

using a communications network, comprising the following steps:

(a) Providing a single data entry section on the screen during the activation of the

web browser to allow a user to enter data thereon (Figure 4b shows a chat

window, which is seen as a single data entry area [the individual pop-up window

is seen as one single data entry area, with several separate components], the

area composed of a text box, along with this text box is provided a viewing

screen to follow the interaction as well as see supplied URL links).

(b) Determining whether an enter key is depressed after the entrance of the data;

and if so, deciding whether URL (Uniform Resource Locator) data is presented in

the entered data (col 5 lines 1-28 details both the entering of a character string,

as well as the dissection of an entered string and determining whether the string

is a URL)

(c) Deciding the entered data as character data in the absence of the URL data, and

providing a character data display section on the screen to allow the character

data to be displayed thereon (col 5 lines 1-20).

(d) Estimating whether data subsequent to the URL data is presented, in the

presence of the URL data (the entered data is dissected and analyzed, including

searching for HTML tags that contain URL data, which include both Internet

application protocol and host properties, col 5 lines 10-28).

(e) Determining, in the presence of the subsequent data, the entered data as

character data and displaying the character data on the character data display

section; and otherwise, deciding the entered data as URL data and attempting

connecting to a host corresponding to the URL data using the Web browser (col

4 line 57 – col 5 line 28 discusses both scenarios, URL being present and just

chat characters being present)

- Wherein the URL data includes a first set of data representing an Internet

   application protocol for each host and a second set of data representing a

   property and a lower address of the each host, wherein the lower address is

   alphanumeric data representing hierarchical location information of the host in

   sequential order starting from a symbol "/" after the second set of data (the

   entered data is dissected and analyzed, including searching for HTML tags that

   contain URL data, which include both Internet application protocol and host

   properties, col 5 lines 10-28, additionally it is well known in the art that a URL

   address has lower hierarchal information about the host, each subsequent level

   following an "/")

In regards to claim 8, Busey discloses the character data display section is

activated only when the entered data determined as the character data at the

determining means (once character data is entered, the display is updated, if only data

with an HTML tag containing a link is submitted, then no chat text is displayed, rather

the URL is loaded and displayed in the chat window, col 4 line 46 – col 5 line 28).

In regards to claim 9, Busey discloses the step (c) includes the steps of:

(c1) Extracting the first set of data and the second set of data from the URL data

(as stated above, all entered data is dissected and analyzed to determine whether URL

data or character data is present).

(c2) Deciding whether any one first set of data is presented in the entered data; and if so, determining whether any one of the second set of data is presented in the entered data (the entered data is dissected and analyzed, including searching for HTML tags that contain URL data, which include both Internet application protocol and host properties, col 5 lines 10-28).

In regards to claim 10, Busey discloses the step (e) includes the step of:

(e1) determining whether the URL data is erroneous; and if so, displaying error message on the screen (it is well known in the art that an erroneous URL will return an error from the web server).

In regards to claim 11, Busey discloses the step (c) includes the step of:

(c3) determining the entered data as the character data, when no the beginning data of the entered data is contained in the first set of data of the URL data (if the entered data is determined to have no html tags, indicating no URL data, the text is merely displayed for the users, col 4 lines 46-67).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

W4: World Wide Web Browser with CSCW Support (Simon Gianoutsos, IEEE 1996, pages 334-335), this article describes utilizing a single browser with functionality
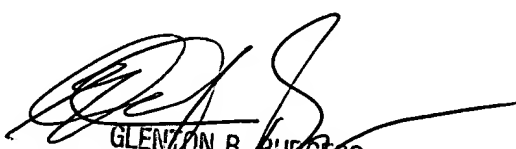
extended to include text chatting while still maintaining a browser functionality with URL

linking.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to John R Brancolini whose telephone number is (571)

272-3948. The examiner can normally be reached on M-Th 7am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Glenton Burgess can be reached on (571) 272-3949. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

JRB

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